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NOTICE OF ALLOWANCE AND FEE(S) DUE

57035

7500

06/01/2009

EXAMINER

QURESHI, AFSAR M

ART UNIT PAPER NUMBER

2416

DATE MAILED: 06/01/2009

KACVINSKY LLC C/O INTELLEVATE P.O. BOX 52050 MINNEAPOLIS, MN 55402

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/607,798 06/27/2003 Valentine J. Rhodes 1020.P16728 6505

TITLE OF INVENTION: ADAPTIVE GUARD INTERVALS IN OFDM SYSTEMS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 09/01/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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| 57035 7590 06/01/2009 | | | | Cei | rtificate | of Mailing or Transn | nission |
| KACVINSKY C/O INTELLEV P.O. BOX 5205 | VATE 0 | I h Sta ado tra | I hereby certify that this Fee(s) Transmittal is being deposited States Postal Service with sufficient postage for first class ma addressed to the Mail Stop ISSUE FEE address above, or transmitted to the USPTO (571) 273-2885, on the date indicate | | | deposited with the United class mail in an envelope bove, or being facsimile te indicated below. | |
| MINNEAPOLIS | S, MN 55402 | | | | | | (Depositor's name) |
| | | | | | | | (Signature) |
| | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTO | R | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/607,798 | 06/27/2003 | • | Valentine J. Rhodes | 1020.P | | 1020.P16728 | 6505 |
| | | INTERVALS IN OFDM | | | | | |
| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSU | JE FEE | TOTAL FEE(S) DUE | DATE DUE |
| nonprovisional | NO | \$1510 | \$300 | \$0 ¬ | | \$1810 | 09/01/2009 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | |
| QURESHI, | , AFSAR M | 2416 | 370-480000 | | | | |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON | | | (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | |
| PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) | | | | | | | |
| Please check the appropri | riate assignee category or | categories (will not be p | rinted on the patent): | Individual C | orporati | on or other private grou | up entity Government |
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| ☐ Issue Fee☐ Publication Fee (No small entity discount permitted) | | | ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. | | | | |
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| 5. Change in Entity Sta | , | , | _ | | | | |
| | ns SMALL ENTITY state | | b. Applicant is no lo | | | | R 1.27(g)(2). assignee or other party in |
| interest as shown by the | records of the United Sta | ites Patent and Trademark | Coffice. | the appream, a reg | istered a | morney of agent, of the | assignee of other party in |
| Authorized Signature | | | | Date | | | |
| Typed or printed name | | | | Registration No. | | | |
| This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 | itiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC | FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR | on is required to obtain or 1.14. This collection is ear the pending upon the indice Chief Information Offic COMPLETED FORMS Towns 1.00 for the pending the complete of the pending the pe | retain a benefit by stimated to take 12 tvidual case. Any c cer, U.S. Patent and FO THIS ADDRES | the publiminutes omments Tradem S. SENI | ic which is to file (and to complete, including s on the amount of tim ark Office, U.S. Depar O TO: Commissioner fo | by the USPTO to process); gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450, |

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| 10/607,798 | 06/27/2003 | Valentine J. Rhodes | 1020.P16728 | 6505 |
| 57035 75 | 590 06/01/2009 | | EXAM | INER |
| KACVINSKY LLC | | | QURESHI, | AFSAR M |
| C/O INTELLEVA | TE | | ART UNIT | PAPER NUMBER |
| P.O. BOX 52050 MINNEAPOLIS, MN 55402 | | | 2416 DATE MAILED: 06/01/200 | 9 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 351 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 351 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) |
|---|---|---|
| | 10/607,798 | RHODES, VALENTINE J. |
| Notice of Allowability | Examiner | Art Unit |
| | AFSAR M. QURESHI | 2416 |
| | AFSAR IVI. QURESHI | 2416 |
| The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in or other appropriate comm IGHTS. This application is | n this application. If not included unication will be mailed in due course. THIS |
| 1. X This communication is responsive to RCE and Amendment | <u>st dated 5/12/2009</u> . | |
| 2. X The allowed claim(s) is/are 1-11,14-18 (Now 1-16). | | |
| 3. Acknowledgment is made of a claim for foreign priority unerstanding a) All b) Some* c) None of the: 1. Certified copies of the priority documents have | | or (f). |
| 2. ☐ Certified copies of the priority documents have | | on No |
| Copies of the certified copies of the priority do | • • | |
| International Bureau (PCT Rule 17.2(a)). | | , |
| * Certified copies not received: | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | e a reply complying with the requirements |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | st be submitted. | |
| (a) \prod including changes required by the Notice of Draftspers | son's Patent Drawing Review | w (PTO-948) attached |
| 1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date | | |
| (b) ☐ including changes required by the attached Examiner' Paper No./Mail Date | s Amendment / Comment o | r in the Office action of |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | |
| DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | |
| | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5 🗆 Notice of Ir | formal Patent Application |
| Notice of References Gled (PTO-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) | | ummary (PTO-413), |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | Paper No. | /Mail Date Amendment/Comment |
| Paper No./Mail Date4. ☐ Examiner's Comment Regarding Requirement for Deposit | 8. ⊠ Examiner's | Statement of Reasons for Allowance |
| of Biological Material | 9. | _, |
| 5/19/2009 | /Afsar M. Qure | shi/ |
| | Primary Exami | |
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Response to Amendment

1. This Office Action is responsive to Amendment and RCE received on 5/12/2009. Applicant amended claims 1, 14 and 17 and canceled claims 12, 13 and 19. Claims 1-11 and 14-18 remain in the application.

Allowable Subject Matter

2. Claims 1-11 and 14-18 are allowed over prior art of record.

The following is a statement of reasons for the indication of allowable subject matter.

The closest prior art of record, Konschak (EP 1065855) and Chen et al. (US 6,768,778), taken alone or in combination, fails to disclose the inventive method for shortening the guard interval. The unique method steps include, "using the received guard interval for subsequent transmissions to target node and programming source node to revert back to a previous baseline guard interval that was negotiated with all nodes associated with the source node" as in claims 1, 14 and 17.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AFSAR M. QURESHI whose telephone number is (571)272-3178. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (571) 272 7872. The fax phone

Application/Control Number: 10/607,798 Page 3

Art Unit: 2416

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

5/19/2009

/Afsar M Qureshi/ Primary Examiner Art Unit 2416